AMENDMENTS TO CLAIMS

1. **(Currently Amended)** A rolling bearing comprising an inner ring and an outer ring made of a high-carbon chrome bearing steel, a carburized steel or a carbon steel for mechanical structures, and a plurality of rolling elements mounted between said inner ring and said outer ring, wherein at least one of said inner ring and said outer ring is subject to ~~to the surface layer of at least one of said inner ring and said outer ring, a compressive stress of not less than 200 MPa is imparted by heat treatment including carbonitriding and induction hardening.~~a heat treatment comprising, in order, carbonitriding, oil quenching and induction hardening such that a surface layer of said at least one of said inner ring and said outer ring has a compressive strength of not less than 200 MPa, and a tempering hardness at 500°C of not less than Hv 550.

2. **(Cancelled).**

3. **(Currently amended)** A rolling bearing as claimed in claim 1 wherein ~~among said inner and outer rings, one that has been subjected to said heat treatment~~ said at least one of said inner ring and said outer ring has a prior austenite grain diameter of not less than Gc 10 in the surface layer thereof.

4. **(Currently Amended)** A rolling bearing as claimed in claim 1 wherein said heat treatment includes ~~high-temperature~~ tempering between the carbonitriding and the induction hardening.

5. **(Currently amended)** A rolling bearing as claimed in claim 1 wherein said rolling elements are rollers and are arranged in a full ~~compliment~~ complement arrangement.

6. **(Previously Presented)** A rolling bearing as claimed in claim 1 mounted in a rocker arm of an automobile.

7. **(Currently Amended)** A rolling bearing as claimed in claim ~~2~~ 4 wherein ~~among said inner and outer rings, one that has been subjected to said heat treatment~~said at least one of said inner ring and said outer ring has a prior austenite grain diameter of not less than Gc 10 in the surface layer thereof.

8. **(Currently Amended)** A rolling bearing as claimed in claim ~~2~~ 4 wherein said heat treatment includes ~~high-temperature~~ tempering between the carbonitriding and the induction hardening.

9. **(Currently Amended)** A rolling bearing as claimed in claim 3 wherein said heat treatment includes ~~high-temperature~~ tempering between the carbonitriding and the induction hardening.

10. **(Currently Amended)** A rolling bearing as claimed in claim ~~2~~ 6 wherein said rolling elements are rollers and are arranged in a full ~~compliment~~ complement arrangement.

11. **(Currently Amended)** A rolling bearing as claimed in claim 3 wherein said rolling elements are rollers and are arranged in a full ~~compliment~~ complement arrangement.

12. **(Currently Amended)** A rolling bearing as claimed in claim 4 wherein said rolling elements are rollers and are arranged in a full ~~compliment~~ complement arrangement.

13. **(Cancelled).**

14. **(Previously Presented)** A rolling bearing as claimed in claim 3 mounted in a rocker arm of an automobile.

15. **(Previously Presented)** A rolling bearing as claimed in claim 4 mounted in a rocker

arm of an automobile.

16. **(Previously Presented)** A rolling bearing as claimed in claim 5 mounted in a rocker arm of an automobile.